Sheet

OCT O

PTO/SB/08A (10-96 Approved for use through 10/31/99. OMB 0651-0031

	orm 1449A/PTO		Comple	ete if Known
ESTAT		DISCLOSURE APPLICANT	Application Number	09/981,845 C FP 27
	, , , , , , , , , , , , , , , , , , , ,		Filing Date	October 18, 2001
	•		First Named Inventor	Samy Ashkar
	;		Group Art Unit	1844 1647 ON
- I		1	Examiner Name	M. M. Hadded R. De Rorte
1'	ot .I		Attorney Docket Number	0400 770

Sheet	-	1 o			7 2		W. W. Haddae K.	Roull
311001		<u>'                                    </u>		4	Attorney Doc	ket Number	CMCC 779	
<del>.                                      </del>		<del></del>						
	011	T		U.S. P	ATENT DOCUMEN	ITS	-	·
Examiner Initials*	Cite No.1	US Patent [ Number	Ocument  Kind Code 2	Name of Patentee of Cited Docu	or Applicant iment	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Wi Passages or Relevant Fig	nere Relevant ures Appear
$\overline{}$	•.	L · .	(if known)		i ili ili ili ila di		tale in a fire action of the ac-	
<b>20</b>		5,340,934		Termine e	tal.	08-23-1994		
		, ,					RECEI	1/1-11
								U K II II
						_	SEP 2.5	2002
		`				170	JEP W U	<del>2002</del>
						- NO.		<del></del>
-				· ·		0n 7	TECHNOLOGY CEN	ITER R370
					*C	· · · · · · · · · · · · · · · · · · ·	1/_	7,070
						V <sub>C</sub> V	<u>^</u>	
	7		1-00			YOGL * 20	/	
						SOF SOF	2	
			. ``			'AA 1		<del></del>
						, , , , , , , , , , , , , , , , , , ,		<del></del>
<del>- 1</del>						-	<u> </u>	<del></del>

					FOREIGN PATENT DOCUMEN	TS	
Examiner Initials*	Cite No.1		Foreign Patent Docur	nent	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM- DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant
0.0		Office.3	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)		55.1111	Figures Appear
			WO 89/02461		Schering AG	03-23-1989	
			WO 89/07613		Dana-Farber Cancer Inst.	08-24-1989	
			WO 92/22316		Children's Hospital of Philadelphia	12-23-1992	
RD			WO 99/08730		Children's Medical Center Corporation	02-25-1999	
				1.0			

Examine Signature

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

.¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵ Applicant to place a check mark here if English language

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark, Officer Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commission for Patent, Washington, DC 20231.

TECHNIQLOGY CENTER R3700

ATL1 #544401 v1

**CMCC 779** 078856/00047



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a Substitute for form 1449A/PTO

2 3 2002

Sheet

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

RECEIVED OCT 0 8 2002

Please type a plus sign (+) inside this box →

Approved for use through 10/31/99. OMB 0651-0031

COLLEGE TO THE STATE OF COMMERCE

Approved for use through 10/31/99. OMB 0651-0031

COLLEGE TO THE STATE OF COMMERCE C mplete if Known , s -Application Number 09/981,845 October 18, 2001 First Named Inventor Samy Ashkar

1044 661

3700

DTHER ART NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), tille of the angle (when appropriate), tille of the Include name of the author (in CAPITAL LETTERS), tille of the appropriate), tille of the Include name of the author (in CAPITAL LETTERS), tille of the appropriate), tille of the Include name of the author (in CAPITAL LETTERS), tille of the appropriate), tille of the Include name of the author (in CAPITAL LETTERS), tille of the appropriate), tille of the Include name of the author (in CAPITAL LETTERS), tille of the appropriate), tille of the Include name of the author (in CAPITAL LETTERS), tille of the appropriate), tille of the Include name of the author (in CAPITAL LETTERS), tille of the appropriate), tille of the Include name of the author (in CAPITAL LETTERS), tille of the appropriate), tille of the Include name of the author (in CAPITAL LETTERS), tille of the appropriate), tille of the Include name of the author (in CAPITAL LETTERS), tille of the appropriate), tille of the Includence of In	Sheet	2 0	4	- LABITITIET Name	M. M. Haddad
Examiner's Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the publisher, city and/or country where published publisher, city and/or country where published item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published in the publisher, city and/or country where publisher in the publisher, city and/or country where published in the publisher, city and/or country where published in the publisher, city and/or country where publisher in the publisher city and/or country where publisher city and/or city			<del></del>	Attorney Docket Number	CMCC 770
item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s).  ALBREKTSSON, et al., "The Interface Zone of Inorganic Implant In Vivo: Titanium Implants in Bone."  ALBREKTSSON, et al., "The Interface Zone of Inorganic Implant In Vivo: Titanium Implants in Bone."  BAGAMBISA, et al., "Int. J. Oral Maxillof. Impl. 5: 217-226, 1994.  SEP 2 7 2602  BORYSIEWICZ, et al., "Isoform of human osteopont in protein." EMBL: XP-002201345, May 14, 1990. TC 1700  BOWERS, et al., "Optimization of Surface Micromorphology for Enhanced Osteoblast Responses In Vitro," Int. J. of Oral  BUTLER, "The Nature and Significance of Osteopontiin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: Sliol. 122(1): 49-60 (1987).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 289-305 (1992).			OTHE		OWICC 7/9
item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s).  ALBREKTSSON, et al., "The Interface Zone of Inorganic Implant In Vivo: Titanium Implants in Bone."  ALBREKTSSON, et al., "The Interface Zone of Inorganic Implant In Vivo: Titanium Implants in Bone."  BAGAMBISA, et al., "Int. J. Oral Maxillof. Impl. 5: 217-226, 1994.  SEP 2 7 2602  BORYSIEWICZ, et al., "Isoform of human osteopont in protein." EMBL: XP-002201345, May 14, 1990. TC 1700  BOWERS, et al., "Optimization of Surface Micromorphology for Enhanced Osteoblast Responses In Vitro," Int. J. of Oral  BUTLER, "The Nature and Significance of Osteopontiin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: Sliol. 122(1): 49-60 (1987).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 289-305 (1992).			OTHER	RART NON PATENT LITERATURE DOCUME	NTC
ALBREKTSSON, et al., "The Interface Zone of Inorganic Implant In Vivo. Titanium Implants in Bone."  BAGAMBISA, et al., "Int. J. Oral Maxillof. Impl. 5: 217-226, 1994.  BORYSIEWICZ, et al., "Isoform of human osteopont in protein," EMBL: XP-002201345, May 14, 1990**TC** 1700  BOWERS, et al., "Optimization of Surface Micromorphology for Enhanced Osteoblast Responses In Vitro," Int. J. of Oral and Max. Imp. 7(3): 302-310 (1992).  BUTLER, "The Nature and Significance of Osteopontin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Developing Biol. 122(1): 49-60 (1987).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured UEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue or and the content of	Initials*	No.1			
BAGAMBISA, et al. Int. J. Oral Maxillof. Impl. 5: 217-226, 1994.  BORYSIEWICZ, et al., "Isoform of human osteopont in protein," EMBL: XP-002201345, May 14, 1990 TC 1700  BOWERS, et al., "Optimization of Surface Micromorphology for Enhanced Osteoblast Responses In Vitro," Int. J. of Oral and Max. Imp. 7(3): 302-310 (1992).  BUTLER, "The Nature and Significance of Osteopontin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: Biol. 122(1): 49-60 (1987).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue process."			. (Soon, mayazı	ne, journal, serial, symposium, catalog, etc.), date, page	e(s) volume in appropriate), title of the
BORYSIEWICZ, et al., "Isoform of human osteopont in protein," EMBL: XP-002201345, May 14, 1990*TC 1700  BOWERS, et al., "Optimization of Surface Micromorphology for Enhanced Osteoblast Responses In Vitro," Int. J. of Oral and Max. Imp. 7(3): 302-310 (1992).  BUTLER, "The Nature and Significance of Osteopontin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: 20 on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue of Contents of Cell Development and Tissue of Contents of Cell Development and Tissue of Contents of Cell Development and Tissue	$n \sim 1$	ALBREKTS	SON, et al. "The Interf	publisher, city and/or country where publisher	d number(s),
BORYSIEWICZ, et al., "Isoform of human osteopont in protein," EMBL: XP-002201345, May 14, 1990*TC 1700  BOWERS, et al., "Optimization of Surface Micromorphology for Enhanced Osteoblast Responses In Vitro," Int. J. of Oral and Max. Imp. 7(3): 302-310 (1992).  BUTLER, "The Nature and Significance of Osteopontin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: 20 on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue of Contents of Cell Development and Tissue of Contents of Cell Development and Tissue of Contents of Cell Development and Tissue	(   M/I	1-27 (1983).		ace 2011e of Inorganic Implant In Vivo: Titanium	Implants in Bono " Any D
BORYSIEWICZ, et al., "Isoform of human osteopont in protein," EMBL: XP-002201345, May 14, 1990*TC 1700  BOWERS, et al., "Optimization of Surface Micromorphology for Enhanced Osteoblast Responses In Vitro," Int. J. of Oral and Max. Imp. 7(3): 302-310 (1992).  BUTLER, "The Nature and Significance of Osteopontin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: 20 on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue of Contents of Cell Development and Tissue of Contents of Cell Development and Tissue of Contents of Cell Development and Tissue		1,		Control of the Contro	DE TENTH
BORYSIEWICZ, et al., "Isoform of human osteopont in protein," EMBL: XP-002201345, May 14, 1990*TC 1700  BOWERS, et al., "Optimization of Surface Micromorphology for Enhanced Osteoblast Responses In Vitro," Int. J. of Oral and Max. Imp. 7(3): 302-310 (1992).  BUTLER, "The Nature and Significance of Osteopontin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: 20 on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue of Contents of Cell Development and Tissue of Contents of Cell Development and Tissue of Contents of Cell Development and Tissue	. 1 1	BAGAMBISA	, et al. Int. J. Oral Ma	villat Impl 5, 047 as-	つこして「VH
BUTLER, "The Nature and Significance of Osteopontin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  CANTOR, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: 2, 3, 3, 122-136 (1989).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).			- Grantina	Ciliot. 111pl. 5: 217-226, 1994.	
BUTLER, "The Nature and Significance of Osteopontin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  CANTOR, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: 2, 3, 3, 122-136 (1989).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).					SED 2 7 2002
BUTLER, "The Nature and Significance of Osteopontin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  CANTOR, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: 2, 3, 3, 122-136 (1989).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).	- I J.,	BORYSIEWI	CZ, et al., "Isoform of I	Numan and	שני גי צטעצ
BUTLER, "The Nature and Significance of Osteopontin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  CANTOR, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: 2, 3, 3, 122-136 (1989).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).	·    -			ruman osteopont in protein," EMBL: XP-002201	1345 May 14 1000
BUTLER, "The Nature and Significance of Osteopontin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  CANTOR, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: 2, 3, 3, 122-136 (1989).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).		1 .			1700
BUTLER, "The Nature and Significance of Osteopontin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  CANTOR, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: 2, 3, 3, 122-136 (1989).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).	1 1	BOWERS, et	al., "Ontimization of C	unface 14	10 1/00
BUTLER, "The Nature and Significance of Osteopontin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Developing Biol. 122(1): 49-60 (1987).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).	11	and Max. Imp	7(3): 302-310 (1000)	urrace Micromorphology for Enhanced Osteoble	ast Responded to Viv
BUTLER, "The Nature and Significance of Osteopontin," Connect. Tissue Res. 23(2-3): 123-136 (1989).  CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Developing Biol. 122(1): 49-60 (1987).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).	-		(1992)		and responses in Vitro," Int. J. of Oral
CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Developing Biol. 122(1): 49-60 (1987).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).		BUTLER, "Th	Nature and Cignitias		
CANTOR, et al., "Recombinant activation protein-1," EMBL: XP-002201347, January 10, 1990.  GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Developing Biol. 122(1): 49-60 (1987).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).	- 1 T		Addic and Significa	nce of Osteopontin," Connect. Tissue Res, 23(2)	2-3): 122 120 (122
GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: 30 (1987).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).					
GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: 30 (1987).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).		CANTOR, et a	"Recombiners		
GALANTE, et al., "The Biologic Effects of Implant Materials," J. Ortho. Res. 9(5): 760-775 (1991).  GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Develop: 30 (1987).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).			Liccombinant activ	ation protein-1," EMBL: XP-002201347 Januar	2/10 1000
GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Developing Biol. 122(1): 49-60 (1987).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).				•	774 64 31 41
GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Developing Biol. 122(1): 49-60 (1987).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).		GALANTE, et	The Riclaria Est.		"0, 8
GERSTENFELD, et al., "Expression of Differentiated Function by Mineralizing Cultures of Chicken Osteoblasts," Developing Biol. 122(1): 49-60 (1987).  GROESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).		_, 0.,	The biologic Effec	ts of Implant Materials," J. Ortho. Res. 9(5): 76	SO 775 (1001)
CHOESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).					00-775 (1991).
CHOESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).		GERSTENFFI	Detal "Eve		\$427
CHOESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).	1 1	Biol. 122(1): 49	-60 (1007)	of Differentiated Function by Mineralizing Cultur	700 at 01
CHOESSNER-SCHREIBER, et al., "Enhanced Extracellular Matrix Production and Mineralization by Osteoblasts Cultured on Titanium Surfaces In Vitro," J. Cell Sci. 101(1): 209-217 (1992).  LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," J. Bone Miner. Res. 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).		_	55 (1507).	, and an arrang outlan	es di Chicken Osteoblasts," Develop:>
LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," <i>J. Bone Miner. Res.</i> 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," <i>Crit. Rev. Oral Biol. Med.</i> 3(3): 269-305 (1992).		GROESSNER-	CHREIDED		(P)
LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," <i>J. Bone Miner. Res.</i> 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," <i>Crit. Rev. Oral Biol. Med.</i> 3(3): 269-305 (1992).	11	on Titanium Su	faces In Vitro " / O "	nnanced Extracellular Matrix Production and M	Minoralization
LEGEROS, et al., "Strategies to Affect Bone Remodeling: Osteointegration," <i>J. Bone Miner. Res.</i> 8(S2): S583-S593 (1993).  LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," <i>Crit. Rev. Oral Biol. Med.</i> 3(3): 269-305 (1992).			Lacos III VIIIO, J. Cell	Sci. 101(1): 209-217 (1992).	interalization by Osteoblasts Cultured
LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).	. 1	LEGEROS et a	"Stratogica 4: Aff		
LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).		1	Gualegies to Affect	Bone Remodeling: Osteointegration " / Rope	Miner D. Grand
LIAN, et al., "Concepts of Osteoblast Growth and Differentiation: Basis for Modulation of Bone Cell Development and Tissue ormation," Crit. Rev. Oral Biol. Med. 3(3): 269-305 (1992).				- Januari, U. Burie	willer. Hes. 8(S2): S583-S593 (1993)
ners 4 DOD 11 of the 1000	,,	LIAN, et al. "Co	ocente et O	The state of the s	
ners 4 DOD 11 of the 1000	:W )	ormation " Crit	ivenis of Osteoblast (	growth and Differentiation: Basis for Modulation	-/ D
ners 4 DOD 11 of the 1000		One.	iev. Urai Biol. Med. 3(	3): 269-305 (1992).	of Bone Cell Development and Tissue
		^	- <del></del>	<u> </u>	
	niner's	1100110	IN ADDA		l.

Filing Date

Group Art Unit

**Examiner Name** 

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the Serial number of the patent document. <sup>5</sup> Kind of Translation is attached.

Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the recess OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. DO NOT SEND TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. ER R3700

ATL1 #544401 v1

CMCC 779 078856/00047 OCT 0 8 2002

sign (+) inside this box ->

BEMALE		,		,)		Complete if Known		
	IN	FORMATIO	N DIC	CI OCUDE	l l			
	6	FATERMENT	DV AF	CLUSURE	Application Number	09/981,845	ECE	VF
	3	<b>FATEMENT</b>	DY AP	PLICANT				
, .		(use as many s	heets as n	ecessanı)	2	3,	EP 2 5	2002
		,,	10010 43 11	ecessary)	Filing Date			
					First Named Inventor	October 18, 2001NU Samy Ashkar	LOGY CEN	ITED C
			4		Group Art Unit			
					Examiner Name	1644 1647	,	
et	<u> </u>	3 of	-	4	Attorney Docket Number	M. M. Haddad R. O	Bein	S
		<del></del>				CMCC 779		רי
niner's	Cite	<del></del>		OTHER ART	NON PATENT LITERATURE DOCU	MENTS		
ials*	No.		iiiklaae n	aime of the author	t (in CARITAL'I ETTERN)			7
		· ·			authority by medianity, catalog, etc.), date, p	page(s), volume-issue number(s)		1
$\Lambda$		MURTY, et al. "S	ulfation In	Vitro of Musus	publisher, city and/or country where publisher	shed		1
( )		Acetylsalicylic Ac	id." <i>Biochi</i>	m Biophye Ac	publisher, city and/or country where published. Glycoprotein by Submandibular Salista 966: 287-296 (1988).	vary Gland: Effects of Prostogland	din and	1 &
V			-,	Diopilys. Ac	na 300, 267-296 (1988)			1
					k			
1 7				lequiremente fo	k	<u></u>		
				lequirements fo	k	ntol. 18(3): 243-255 (1992).		
	١,	O'NEAL, et al, "B	iological R		or Material Integration," J. Oral Implar			
		O'NEAL, et al, "B	iological R	Dovolonment	or Material Integration," J. Oral Implar	<u>. 1975</u> <u>. 1975.</u>		2.1
		O'NEAL, et al, "B	iological R	Dovolonment	or Material Integration," J. Oral Implar	<u>. 1975</u> <u>. 1975.</u>	xpression	,
		O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol, 143	ogressive ted with O	Development of steoblast Prolif	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi feration and Differentiation During Fo	itro: Reciprocal Relationships in E rmation of the Bone Extracellular	Matrix " ./	
		O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol, 143	ogressive ted with O	Development of steoblast Prolif	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi feration and Differentiation During Fo	itro: Reciprocal Relationships in E rmation of the Bone Extracellular	Matrix " ./	
		O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol, 143	ogressive ted with O	Development of steoblast Prolif	or Material Integration," J. Oral Implar	itro: Reciprocal Relationships in E rmation of the Bone Extracellular	Matrix " ./	
		O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143. PARSEGIAN, "Mo 19(6): 838-842 (19	ogressive ted with O (3): 420-43 blecular Fo 983).	Development of steoblast Prolif 30 (1990). proces Governing	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During Fo. g Tight Contact Between Cellular Sur	itro: Reciprocal Relationships in E rmation of the Bone Extracellular I faces and Substrates," J. Prosth.	Matrix," J.  Dent.	
		O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143. PARSEGIAN, "Mo 19(6): 838-842 (19	ogressive ted with O (3): 420-43 blecular Fo 983).	Development consteodiast Prolife 30 (1990).  of Bovino Octo	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur	itro: Reciprocal Relationships in E rmation of the Bone Extracellular I faces and Substrates," J. Prosth.	Matrix," J.  Dent.	
		O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143. PARSEGIAN, "Mo 19(6): 838-842 (19	ogressive ted with O (3): 420-43 blecular Fo 983).	Development consteodiast Prolife 30 (1990).  of Bovino Octo	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur	itro: Reciprocal Relationships in E rmation of the Bone Extracellular I faces and Substrates," J. Prosth.	Matrix," J.  Dent.	
	F	O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143 PARSEGIAN, "Mo 19(6): 838-842 (19 RUTHERFORD, e mplants," Int. J. C	ogressive ted with O (3): 420-43 blecular Fo 983). et al., "Use Oral Maxillo	Development of steoblast Prolif 30 (1990). orces Governing of Bovine Oste	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eogenic Protein to Promote Rapid Os 297-301 (1992).	itro: Reciprocal Relationships in Ermation of the Bone Extracellular Infaces and Substrates," <i>J. Prosth.</i> Seointegration of Endosseous Eermation in Endosseous Eermation	Matrix," J.  Dent.  ntal	
		O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143, PARSEGIAN, "Mc 19(6): 838-842 (10 RUTHERFORD, et mplants," Int. J. C SENGER, et al. "A	ogressive ted with O (3): 420-43 blecular Fo 983).	Development of steedblast Prolif 30 (1990). Orces Governing of Bovine Osteofac. Imp. 7(3):	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eogenic Protein to Promote Rapid Os. 297-301 (1992).	itro: Reciprocal Relationships in Ermation of the Bone Extracellular Infaces and Substrates," J. Prosth.	Matrix," J.  Dent.  ntal	
		O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143, PARSEGIAN, "Mc 19(6): 838-842 (10 RUTHERFORD, et mplants," Int. J. C SENGER, et al. "A	ogressive ted with O (3): 420-43 blecular Fo 983).	Development of steedblast Prolif 30 (1990). Orces Governing of Bovine Osteofac. Imp. 7(3):	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eogenic Protein to Promote Rapid Os. 297-301 (1992).	itro: Reciprocal Relationships in Ermation of the Bone Extracellular Infaces and Substrates," J. Prosth.	Matrix," J.  Dent.  ntal	
	S F	O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143. PARSEGIAN, "Mo 19(6): 838-842 (19 BUTHERFORD, e mplants," Int. J. C SENGER, et al, "A Proximity to the Gi	ogressive ted with O (3): 420-43 blecular Fo 983). tt al., "Use oral Maxillo idhesive P RGDS Cell	Development of steoblast Prolif 30 (1990). Orces Governing of Bovine Osteofac. Imp. 7(3): Properties of Osteofac Inp. 1990 (1990). Properties of Osteofac Inp. 1990 (1990). Properties of Osteofac Inp. 1990 (1990).	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eogenic Protein to Promote Rapid Os- 297-301 (1992). steopontin: Regulation by a Naturally ain," Mol. Biol. Cell 5(5): 565-574 (198	itro: Reciprocal Relationships in Ermation of the Bone Extracellular Infaces and Substrates," <i>J. Prosth.</i> seointegration of Endosseous Eer  Occurring Thrombin-Cleavage in (94):	Matrix," J.  Dent.  ntal  Close	
	I S	O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143. PARSEGIAN, "Mc 19(6): 838-842 (19 RUTHERFORD, e mplants," Int. J. C SENGER, et al, "A Proximity to the Gi	ogressive ted with O (3): 420-43 blecular Fo 983). tt al., "Use oral Maxillo idhesive P RGDS Cell	Development of steoblast Prolif 30 (1990). Orces Governing of Bovine Osteofac. Imp. 7(3): Properties of Osteofac Imp. Troperties Imp. Troperti	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eogenic Protein to Promote Rapid Os- 297-301 (1992). steopontin: Regulation by a Naturally ain," Mol. Biol. Cell 5(5): 565-574 (198	itro: Reciprocal Relationships in Ermation of the Bone Extracellular Infaces and Substrates," <i>J. Prosth.</i> seointegration of Endosseous Eer  Occurring Thrombin-Cleavage in (94):	Matrix," J.  Dent.  ntal  Close	
	I S	O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143. PARSEGIAN, "Mo 19(6): 838-842 (19 BUTHERFORD, e mplants," Int. J. C SENGER, et al, "A Proximity to the Gi	ogressive ted with O (3): 420-43 blecular Fo 983). tt al., "Use oral Maxillo idhesive P RGDS Cell	Development of steoblast Prolif 30 (1990). Orces Governing of Bovine Osteofac. Imp. 7(3): Properties of Osteofac Imp. Troperties Imp. Troperti	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eogenic Protein to Promote Rapid Os- 297-301 (1992). steopontin: Regulation by a Naturally ain," Mol. Biol. Cell 5(5): 565-574 (198	itro: Reciprocal Relationships in Ermation of the Bone Extracellular Infaces and Substrates," <i>J. Prosth.</i> seointegration of Endosseous Eer  Occurring Thrombin-Cleavage in (94):	Matrix," J.  Dent.  ntal  Close	
	F S F	O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143. PARSEGIAN, "Mo 19(6): 838-842 (19 RUTHERFORD, e mplants," Int. J. C SENGER, et al, "A Proximity to the Gi ENGER, et al., "C ENGER, et al., "C	ogressive ted with O (3): 420-43 olecular Fo 983).  et al., "Use bral Maxillo dhesive P RGDS Cell Migratis. Acta 13	Development of steedblast Prolif 30 (1990). Droces Governing of Bovine Osteofac. Imp. 7(3): Properties of Osteofac Imp. 7(3): Properties of Osteofac Imp. 7(3): 1-24 (199)	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eogenic Protein to Promote Rapid Os. 297-301 (1992) interpontin: Regulation by a Naturally ain," Mol. Biol. Cell 5(5): 565-574 (1900) by a Potent GRGDS-Containing Thror 6).	itro: Reciprocal Relationships in E rmation of the Bone Extracellular I faces and Substrates," <i>J. Prosth.</i> seointegration of Endosseous Eer Occurring Thrombin-Cleavage in (94).	Matrix," J.  Dent.  Close  Opontin,"	
	F S F	O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143. PARSEGIAN, "Mo 19(6): 838-842 (19 RUTHERFORD, e mplants," Int. J. C SENGER, et al, "A Proximity to the Gi ENGER, et al., "C ENGER, et al., "C	ogressive ted with O (3): 420-43 olecular Fo 983).  et al., "Use bral Maxillo dhesive P RGDS Cell Migratis. Acta 13	Development of steedblast Prolif 30 (1990). Droces Governing of Bovine Osteofac. Imp. 7(3): Properties of Osteofac Imp. 7(3): Properties of Osteofac Imp. 7(3): 1-24 (199)	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eogenic Protein to Promote Rapid Os. 297-301 (1992) interpontin: Regulation by a Naturally ain," Mol. Biol. Cell 5(5): 565-574 (1900) by a Potent GRGDS-Containing Thror 6).	itro: Reciprocal Relationships in E rmation of the Bone Extracellular I faces and Substrates," <i>J. Prosth.</i> seointegration of Endosseous Eer Occurring Thrombin-Cleavage in (94).	Matrix," J.  Dent.  Close  Opontin,"	
	F S F	O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143. PARSEGIAN, "Mo 19(6): 838-842 (19 RUTHERFORD, e mplants," Int. J. C SENGER, et al, "A Proximity to the Gi ENGER, et al., "C ENGER, et al., "C	ogressive ted with O (3): 420-43 olecular Fo 983).  et al., "Use bral Maxillo dhesive P RGDS Cell Migratis. Acta 13	Development of steedblast Prolif 30 (1990). Droces Governing of Bovine Osteofac. Imp. 7(3): Properties of Osteofac Imp. 7(3): Properties of Osteofac Imp. 7(3): 1-24 (199)	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eogenic Protein to Promote Rapid Os- 297-301 (1992). steopontin: Regulation by a Naturally ain," Mol. Biol. Cell 5(5): 565-574 (198	itro: Reciprocal Relationships in E rmation of the Bone Extracellular I faces and Substrates," <i>J. Prosth.</i> seointegration of Endosseous Eer Occurring Thrombin-Cleavage in (94).	Matrix," J.  Dent.  Close  Opontin,"	
	F SE	O'NEAL, et al., "Brook Genes Associa Cell. Physiol. 143." PARSEGIAN, "Mc 19(6): 838-842 (19). RUTHERFORD, emplants," Int. J. Complete Cell. Physiol. 143. PARSEGIAN, "Mc 19(6): 838-842 (19). RUTHERFORD, emplants," Int. J. Complete Cell. Physiological Cell. Physiologi	ogressive ted with O (3): 420-43 olecular Fo 283). tal., "Use oral Maxillo: dhesive P RGDS Cell Migratis. Acta 13	Development of steoblast Prolif 30 (1990). Proces Governing of Bovine Osteoblac. Imp. 7(3): Properties of Osteoblac Imp. 7(3): Properties of Osteoblac Imp. 7(3): Properties of Osteoblac Indiana Domain Promoted Education Promoted Pr	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eogenic Protein to Promote Rapid Os. 297-301 (1992). steopontin: Regulation by a Naturally ain," Mol. Biol. Cell 5(5): 565-574 (198 by a Potent GRGDS-Containing Thror 6).	itro: Reciprocal Relationships in Ermation of the Bone Extracellular Infaces and Substrates," <i>J. Prosth.</i> secontegration of Endosseous Eer Occurring Thrombin-Cleavage in (94).  mbin-Cleavage Fragment of Osteonterface," <i>Cells and Materials</i> 3(3):	Matrix," J.  Dent.  Close  Dentin,"	
	FF SE	O'NEAL, et al., "Brookens, et al., "Prof Genes, Associa of Genes, Associa of Genes, and the Gene	ogressive ted with O (3): 420-43 olecular Fo 283).  It al., "Use bral Maxillo dhesive P RGDS Cell Migratis." Acta 13 ctracellular	Development of steoblast Prolif 30 (1990). Orces Governing of Bovine Osteoblac. Imp. 7(3): Properties of Osteoblac. Imp. 7(3): Properties of Osteoblac. Imp. 7(3): Properties of Osteoblac. In Promoted Edition Pr	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eogenic Protein to Promote Rapid Os. 297-301 (1992). steopontin: Regulation by a Naturally ain," Mol. Biol. Cell 5(5): 565-574 (198 by a Potent GRGDS-Containing Thror 6).	itro: Reciprocal Relationships in Ermation of the Bone Extracellular Infaces and Substrates," <i>J. Prosth.</i> secontegration of Endosseous Eer Occurring Thrombin-Cleavage in (94).  mbin-Cleavage Fragment of Osteonterface," <i>Cells and Materials</i> 3(3):	Matrix," J.  Dent.  Close  Dentin,"	
	FF SE	O'NEAL, et al., "Brook Genes Associa Cell. Physiol. 143." PARSEGIAN, "Mc 19(6): 838-842 (19). RUTHERFORD, emplants," Int. J. Complete Cell. Physiol. 143. PARSEGIAN, "Mc 19(6): 838-842 (19). RUTHERFORD, emplants," Int. J. Complete Cell. Physiological Cell. Physiologi	ogressive ted with O (3): 420-43 olecular Fo 283).  It al., "Use bral Maxillo dhesive P RGDS Cell Migratis." Acta 13 ctracellular	Development of steoblast Prolif 30 (1990). Orces Governing of Bovine Osteoblac. Imp. 7(3): Properties of Osteoblac. Imp. 7(3): Properties of Osteoblac. Imp. 7(3): Properties of Osteoblac. In Promoted Edition Pr	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eogenic Protein to Promote Rapid Os. 297-301 (1992) interpontin: Regulation by a Naturally ain," Mol. Biol. Cell 5(5): 565-574 (1900) by a Potent GRGDS-Containing Thror 6).	itro: Reciprocal Relationships in Ermation of the Bone Extracellular Infaces and Substrates," <i>J. Prosth.</i> seointegration of Endosseous Eer Occurring Thrombin-Cleavage in (94).  mbin-Cleavage Fragment of Osteonterface," <i>Cells and Materials</i> 3(3):	Matrix," J.  Dent.  Close  Dentin,"	
	S B B S (11	O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143. PARSEGIAN, "Mo 19(6): 838-842 (19 RUTHERFORD, e mplants," Int. J. C BENGER, et al, "A Proximity to the Gi ENGER, et al, "C BIOChim. et Biophy HEN, "Organic Ex 1993). MITH, et al., "Ostriol. Chem. 271 (45	ogressive ted with O (3): 420-43 olecular Fo (983). et al., "Use (974) oral Maxillo olecular Sonal Maxillo olecular Sonal Maxillo olecular Sonal Maxillo olecular Sonal Migratis s. Acta 13 olecular olec	Development of steedblast Prolife 30 (1990). Droces Governing of Bovine Osteofac. Imp. 7(3): Properties of Osteofac. Imp.	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eggenic Protein to Promote Rapid Os- 297-301 (1992). Steopontin: Regulation by a Naturally ain," Mol. Biol. Cell 5(5): 565-574 (1992) by a Potent GRGDS-Containing Thror 6). Special Contains a Cryptic Adhesive Sections of the Rational Indianal Contains a Cryptic Adhesive Sections of the Rational Implication of the Rational Indianal Contains a Cryptic Adhesive Sections of the Rational Indianal	itro: Reciprocal Relationships in Ermation of the Bone Extracellular Infaces and Substrates," <i>J. Prosth.</i> Seointegration of Endosseous Eer Occurring Thrombin-Cleavage in Occurring Thrombin-Cleavage in Occurring Thrombin-Cleavage Fragment of Osteonterface," <i>Cells and Materials</i> 3(3):	Matrix," J.  Dent.  Close  Dentin,"  257-272  in,"J.	
	S B B S (11	O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143. PARSEGIAN, "Mo 19(6): 838-842 (19 RUTHERFORD, e mplants," Int. J. C BENGER, et al, "A Proximity to the Gi ENGER, et al, "C BIOChim. et Biophy HEN, "Organic Ex 1993). MITH, et al., "Ostriol. Chem. 271 (45	ogressive ted with O (3): 420-43 olecular Fo (983). et al., "Use (974) oral Maxillo olecular Sonal Maxillo olecular Sonal Maxillo olecular Sonal Maxillo olecular Sonal Migratis s. Acta 13 olecular olec	Development of steedblast Prolife 30 (1990). Droces Governing of Bovine Osteofac. Imp. 7(3): Properties of Osteofac. Imp.	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eggenic Protein to Promote Rapid Os- 297-301 (1992). Steopontin: Regulation by a Naturally ain," Mol. Biol. Cell 5(5): 565-574 (1992) by a Potent GRGDS-Containing Thror 6). Special Contains a Cryptic Adhesive Sections of the Rational Indianal Contains a Cryptic Adhesive Sections of the Rational Implication of the Rational Indianal Contains a Cryptic Adhesive Sections of the Rational Indianal	itro: Reciprocal Relationships in Ermation of the Bone Extracellular Infaces and Substrates," <i>J. Prosth.</i> Seointegration of Endosseous Eer Occurring Thrombin-Cleavage in Occurring Thrombin-Cleavage in Occurring Thrombin-Cleavage Fragment of Osteonterface," <i>Cells and Materials</i> 3(3):	Matrix," J.  Dent.  Close  Dentin,"  257-272  in,"J.	
	S B B S (11	O'NEAL, et al, "B OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143. PARSEGIAN, "Mo 19(6): 838-842 (19 RUTHERFORD, e mplants," Int. J. C BENGER, et al, "A Proximity to the Gi ENGER, et al, "C BIOChim. et Biophy HEN, "Organic Ex 1993). MITH, et al., "Ostriol. Chem. 271 (45	ogressive ted with O (3): 420-43 olecular Fo (983). et al., "Use (974) oral Maxillo olecular Sonal Maxillo olecular Sonal Maxillo olecular Sonal Maxillo olecular Sonal Migratis s. Acta 13 olecular olec	Development of steedblast Prolife 30 (1990). Droces Governing of Bovine Osteofac. Imp. 7(3): Properties of Osteofac. Imp.	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eogenic Protein to Promote Rapid Os. 297-301 (1992). steopontin: Regulation by a Naturally ain," Mol. Biol. Cell 5(5): 565-574 (198 by a Potent GRGDS-Containing Thror 6).	itro: Reciprocal Relationships in Ermation of the Bone Extracellular Infaces and Substrates," <i>J. Prosth.</i> Seointegration of Endosseous Eer Occurring Thrombin-Cleavage in Occurring Thrombin-Cleavage in Occurring Thrombin-Cleavage Fragment of Osteonterface," <i>Cells and Materials</i> 3(3):	Matrix," J.  Dent.  Close  Dentin,"  257-272  in,"J.	
		O'NEAL, et al, "B  OWEN, et al., "Pr of Genes Associa Cell. Physiol. 143. PARSEGIAN, "Mc 19(6): 838-842 (19  RUTHERFORD, e mplants," Int. J. C  SENGER, et al, "A  Proximity to the Gi  ENGER, et al., "C  iciochim. et Biophy HEN, "Organic E; 993).  MITH, et al., "Oste iol. Chem. 271(45	ogressive ted with O (3): 420-43 olecular Fo (983).  It al., "Use bral Maxillo dhesive P (RGDS Cell Migratis." Acta 13 otracellular ecopontin N (28485-2 olecular Expr.): 28485-2 olecular ecopontin N (28485-2 olecular	Development of steoblast Prolif 30 (1990). Orces Governing of Bovine Osteofac. Imp. 7(3): Properties of Osteofac. Imp. 7(	or Material Integration," J. Oral Implar of the Rat Osteoblast Phenotype In Vi- feration and Differentiation During For g Tight Contact Between Cellular Sur eggenic Protein to Promote Rapid Os- 297-301 (1992). Steopontin: Regulation by a Naturally ain," Mol. Biol. Cell 5(5): 565-574 (1992) by a Potent GRGDS-Containing Thror 6). Special Contains a Cryptic Adhesive Sections of the Rational Indianal Contains a Cryptic Adhesive Sections of the Rational Implication of the Rational Indianal Contains a Cryptic Adhesive Sections of the Rational Indianal	itro: Reciprocal Relationships in Ermation of the Bone Extracellular Infaces and Substrates," <i>J. Prosth.</i> Seointegration of Endosseous Eer Occurring Thrombin-Cleavage in Occurring Thrombin-Cleavage in Occurring Thrombin-Cleavage Fragment of Osteonterface," <i>Cells and Materials</i> 3(3):	Matrix," J.  Dent.  Close  Dentin,"  257-272  in,"J.	

Signature OCT 1

EXAMINER: Initial if reference considered, whether or not titation is in conformance with MPEP 609. Draw line through citation; if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

Under the Paper	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Approved for use through 10/31/99. ON	B/08A ( //B 0651-
	work Reduction Act of 1995, no persons are required to resoon	d to a collection of information unless it contains a valid OMB of	Trademark Office: U.S. DEPARTMENT OF	COMME
. Si	ibstitute for form 1449A/PTO	o a conection of information unless it contains a valid OMB or	ontrol number	
		Complete	if Known	
	INFORMATION DISCLOSURE	Analization	09/981,845 LCEIVE	n
, .	CTATEMENT DISCLUSURE	Application Number	09/981,845	
TPE	STATEMENT BY APPLICANT		SEP 2 5 2002	2
ILE.	<b>1</b>		3EP 2 3 200	4
٠. ٦	(use as many sheets as necessary)			
7 3 2007	3	Filing Date	October 18, 2001 GY CENTER	<b>7370</b>
2 3 2002	40	First Named Inventor	Samy Ashkar	ــــــــــــــــــــــــــــــــــــــ
		Group Art Unit	184L 1647 C	<del>- [</del>
et at	4 of 4	Examiner Name	M. M. Hadded R DO BOFT	ui
HADEMAN	4 of 4	Attorney Docket Number	CMCC 779	4
	OTHER ADT	NOV PARENT		Ρ.,
	ite Include name of the author	NON PATENT LITERATURE DOCUMENTS		2
Initials* N	o. item (book, magazine, journal	(in CAPITAL LETTERS), title of the article (when appl. I, serial, symposium, catalog, etc.), date, page(s), volupublisher, city and/or country where or is lighted.	ropriate), title of the	<b>1</b>
<del>~ ~</del>	TERMINE "Co-	publisher, city and/or country where published	me-issue number(s),	
		tin II " EMDL. VD 00000 to		
JW-N	- Soducine of Human Osteopont	iii II, EMBL: XP-002201346, October 9, 1990		+-
M	TERMINE, "Sequence of human osteopont	EMBL: XP-002201346, October 9, 1990		ļ.,
		· · · · · · · · · · · · · · · · · · ·		
$\mathcal{N}$		· · · · · · · · · · · · · · · · · · ·		
	UNIYAL, et al., "Patterns of Adsorption of P 285-290 (1982).	Proteins from Human Plasma onto Foreign Sur	laces," Thromb. Haemost. 47(3):	
	UNIYAL, et al., "Patterns of Adsorption of P 285-290 (1982).	Proteins from Human Plasma onto Foreign Sur	laces," Thromb. Haemost. 47(3):	
	UNIYAL, et al., "Patterns of Adsorption of P 285-290 (1982).	· · · · · · · · · · · · · · · · · · ·	laces," Thromb. Haemost. 47(3):	
	UNIYAL, et al., "Patterns of Adsorption of P 285-290 (1982).  VAN DIJK, et al., "Evidence that a Non-RGI 8(12): 1499-1505 (1993).	Proteins from Human Plasma onto Foreign Sur D Domain in Rat Osteopontin is Involved in Ce	laces," <i>Thromb. Haemost.</i> 47(3):	`   `
W)	UNIYAL, et al., "Patterns of Adsorption of P 285-290 (1982).  VAN DIJK, et al., "Evidence that a Non-RGI 8(12): 1499-1505 (1993).	Proteins from Human Plasma onto Foreign Sur D Domain in Rat Osteopontin is Involved in Ce	laces," <i>Thromb. Haemost.</i> 47(3):	`   `
M)	UNIYAL, et al., "Patterns of Adsorption of P 285-290 (1982).  VAN DIJK, et al., "Evidence that a Non-RGI 8(12): 1499-1505 (1993).	Proteins from Human Plasma onto Foreign Sur	laces," <i>Thromb. Haemost.</i> 47(3):	`   `
	UNIYAL, et al., "Patterns of Adsorption of P 285-290 (1982).  VAN DIJK, et al., "Evidence that a Non-RGI 8(12): 1499-1505 (1993).  WEBER, et al., "Receptor-Ligand Interaction	Proteins from Human Plasma onto Foreign Surf D Domain in Rat Osteopontin is Involved in Ce on between CD44 and Osteopontin (Eta-1)," Sc	laces," <i>Thromb. Haemost.</i> 47(3):  Il Attachment," <i>J. Bone Min. Res.</i> Jence 271(5248): 509-512 (1996).	`   `
	UNIYAL, et al., "Patterns of Adsorption of P 285-290 (1982).  VAN DIJK, et al., "Evidence that a Non-RGI 8(12): 1499-1505 (1993).  WEBER, et al., "Receptor-Ligand Interaction	Proteins from Human Plasma onto Foreign Surf D Domain in Rat Osteopontin is Involved in Ce on between CD44 and Osteopontin (Eta-1)," Sc	laces," <i>Thromb. Haemost.</i> 47(3):  Il Attachment," <i>J. Bone Min. Res.</i> Jence 271(5248): 509-512 (1996).	`   `
	UNIYAL, et al., "Patterns of Adsorption of P 285-290 (1982).  VAN DIJK, et al., "Evidence that a Non-RGI 8(12): 1499-1505 (1993).  WEBER, et al., "Receptor-Ligand Interaction XIANG, et al., "The Effect of Bone Morphoge Surg. 51(60):647-651 (1993).	Proteins from Human Plasma onto Foreign Sun D Domain in Rat Osteopontin is Involved in Ce n between CD44 and Osteopontin (Eta-1)," Sc enetic Protein on Osseointegration of Titanium	laces," Thromb. Haemost. 47(3):  Il Attachment," J. Bone Min. Res. ience 271(5248): 509-512 (1996). Implants," J. Oral Maxillofac.	
	UNIYAL, et al., "Patterns of Adsorption of P 285-290 (1982).  VAN DIJK, et al., "Evidence that a Non-RGI 8(12): 1499-1505 (1993).  WEBER, et al., "Receptor-Ligand Interaction XIANG, et al., "The Effect of Bone Morphoge Surg. 51(60):647-651 (1993).	Proteins from Human Plasma onto Foreign Surf D Domain in Rat Osteopontin is Involved in Ce on between CD44 and Osteopontin (Eta-1)," Sc	laces," Thromb. Haemost. 47(3):  Il Attachment," J. Bone Min. Res. ience 271(5248): 509-512 (1996). Implants," J. Oral Maxillofac.	

TECHNOLOGY CENTER H3700

Examiner's Signature

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of Translation is attached.

Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.